Approved FA REI FLOT DE SIL AND POR SERVICIO 300110054-4 For Detecting Missile Attacks

By EVERT CLARK Special to The New York Times

EGLIN AIR FORCE BASE, waves off electrically sensitive Fla., Dec. 6—A huge new radar that the Air Force says doubles the nation's capability to track friendly or hostile space objects

There are no over-the-horizon radar installations guarding the

ments buried beneath plastic or two minutes determine

ments buried beneath plastic or two minutes determine foam on the building's face.

It can detect, track, identify and predict the orbits of many objects at the same time and is the first radar designed specifically for these space tracking lite about to be dragged down purposes. Until now, radars built for other purposes have been adapted to the space tracking task.

The entire system here is tied in to the Space Defense Center tracking task. tracking task.

Today newsmen watched as the system tracked orbiting objects as far as 2,650 miles away.

Despite the radar's flexibility, however, it is not designed to guard against the fractional orbital bombs the Defense Department says the Soviet Union is developing. These objects travel for less than one turn around the earth at a height of 90 to 100 miles, instead of lofting 800 miles above the earth as a ballistic missile does.

If a Russian Fractional Orbital Ballistic States.

"The launching of Sputnik really caught this country flat-footed in its ability to track space objects," Col. Robert L. Edge, director of space defense systems programs for the Air Force, said at a news conference today.

Radars designed for many purposes were pressed into service. But until now none had been built to cover all the military space tracking tasks from one spot.

"Nothing that we know of in the control of the control of the country flation of the c

bital Ballistic System were aimed directly at the southern United States, the new radar might pick it up as much as 7.5 minutes before it was due to strike its target—less warning time than Secretary of Defense Robert S. McNamara says would eventually be gained by using an over-the-horizon radar system.

rriendly or hostile space objects was unveiled here today.

There are about 1,500 objects in orbit now—satellites, rockets and smaller space debris. Space experts predict there will be experts predict there will be new radar designed as a part 5,000 objects by the mid-1970's. The radar will be able to track 95 per cent of all the objects in space at any one time, the Air Force said.

The new radar is a giant con-

time, the Air Force said.

The new radar is a giant concrete building, more than a block long and 15 stories high, with a sloped face that lacks the familiar rotating antenna of most radar installations.

Instead of scanning the southern skies mechanically, it does so electronically, transmitting as many as 5,184 beams of radio energy at space targets and receiving the energy that is bounced back with 4,660 elements buried beneath plastic or two minutes determine But any object that orbits the

acking task.

The new radar has been in Colorado, where NORAD atgiven the task of detecting bal-listic missile attacks launched and space threats to the United

If a Russian Fractional Orbital Ballistic System were the free world and certainly not in

system.

The new system here, called an AN/FPS-85 space track raddar, does not look over the horizon radar points more near-horizon radar points more near-horizon radar points more near-horizon radar points more near-bital attack also is being ly upward and bounces its explored.